

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) A simulator for board sports ~~including~~ comprising:
a pair of foot bindings for holding a rider's feet;
characterized in the simulator also includes a pivoting mount assembly for pivoting both the foot bindings together about a first simulator axis to simulate edge-to-edge roll movement of a board about its the longitudinal or roll axis of the board, each foot binding being mounted to the pivoting mount assembly for relative rotation about respective rotation axes, the pivoting mount assembly including a ground-supported base pivotally connected along said longitudinal axis, to a pivoting member to which at least one of the foot bindings is coupled for movement toward and away from the other of the foot bindings, and

adjustment means operatively connected to said at least one of the foot bindings for moving said at least one of the foot bindings toward and away from the other of the foot bindings to adjust the spacing between the rotation axes of the foot bindings while the rider's feet are held thereby.

2. (Previously presented) The simulator as claimed in claim 1 wherein said at least one of the foot bindings is slidably mounted to the pivoting mount assembly for sliding movement relative to the pivoting member in a direction substantially parallel to the first simulator axis.

3. (Previously presented) The simulator as claimed in claim 1 wherein the pivoting mount assembly includes a platform to which the foot bindings are coupled, the platform pivoting about the first simulator axis and simulating a snowboard.
4. (Previously presented) The simulator as claimed in claim 1 wherein the first simulator axis is below the foot bindings.
5. (Previously presented) The simulator as claimed in claim 1 wherein the pivoting mount assembly includes at least one resilient pivot connecting the ground-supported base and pivoting member to provide the pivoting movement about the first simulator axis while also biasing a foot-supporting surface of each foot binding toward a horizontal plane.
6. (Previously presented) The simulator as claimed in claim 5 wherein the pivoting mount assembly includes two elastomeric pivots, at least one of which is mounted for sliding movement parallel to the first simulator axis for movement between a widely spaced position to provide a pivoting 'roll' movement of the foot bindings about the first axis, and any of one or more closely spaced positions configured for providing an increased degree of pivoting movement of the bindings about mutually orthogonal 'pitch' and 'yaw' axes, both of which are perpendicular to the first simulator 'roll' axis.
7. (Currently amended) The simulator as claimed in claim 1 wherein the a binding adjustment means comprises a screw-type adjustment mechanism connected to the at least one foot binding for sliding the at least one foot binding toward and away from the

other of the foot bindings for adjusting the spacing between a central axis of each of the foot bindings while the rider's feet are held by the foot bindings.

8. (Previously presented) The simulator as claimed in claim 7 wherein both the bindings are mounted for linear sliding movement relative to the pivoting mount assembly and the adjustment mechanism includes:

- a screw threaded adjuster rod having a handle;
- a screw block received on the adjuster rod;
- sliding blocks connected to the bindings; and
- an arm pivotally connected to each sliding block and to the screw block.

9. (Previously presented) The simulator as claimed in claim 1 further including means for measuring the spacing between the foot bindings.

10. (Previously presented) The simulator as claimed in claim 1 further including an alignment indicating device to assist in aligning the rider's knees vertically with his respective foot.

11. (Previously presented) The simulator as claimed in claim 8 wherein the alignment indicating device includes a knee-receiving cup fixed to each foot binding, the position of the knee-receiving cup being adjustable to align with the knees of different users, the cup being adjustable in a plane extending orthogonally to a foot-supporting surface of the binding and aligned with the centre of the rider's foot.

12. (Previously presented) The simulator as claimed in claim 8 wherein the alignment indicating device includes a rod assembly fixed to the binding, extending generally perpendicular to a base of the binding or platform and able to telescope to align vertically with the knees of different height users.

13. (Previously presented) The simulator as claimed in claim 1 wherein each foot binding is mounted to the pivoting mount assembly for relative rotation about respective central axes substantially intersecting with and extending orthogonally to the first simulator axis for adjusting the angle between the midline of the foot and the first simulator axis.

14. (Previously presented) The simulator as claimed in claim 1 further including a rider's seat.

15. (Previously presented) The simulator as claimed in claim 12 further including an operator's seat, the rider's seat and operator's seats being fixed on opposing sides of the pivoting mount assembly.

16. (Currently amended) A method of determining a rider's stance for board sports, including comprising:

providing a simulator for board sports comprising: a pair of foot bindings for holding a rider's feet, characterized in the simulator also comprises a pivoting mount assembly for pivoting both the foot bindings together about a first simulator axis to simulate edge-to-edge roll movement of a board about its the longitudinal or roll axis of

the board, each foot binding being mounted to the pivoting mount assembly for relative rotation about respective rotation axes, the pivoting mount assembly including a ground-supported base pivotally connected along said longitudinal axis, to a pivoting member to which at least one of the foot bindings is coupled for movement toward and away from the other of the foot bindings, and adjustment means operatively connected to said at least one of the foot bindings for moving said at least one of the foot bindings toward and away from the other of the foot bindings to adjust the spacing between the rotation axes of the foot bindings while the rider's feet are held thereby;

fixing both the rider's feet in the foot bindings in an initial narrow stance;

adjusting the spacing between the foot bindings to broaden the rider's stance while the rider attempts to balance about the first simulator axis; and

measuring the spacing between the foot bindings.

17. (Currently amended) The method as claimed in claim 16 wherein the simulator further ~~includes~~ comprises an alignment indicating device to assist in aligning the rider's knees vertically with his respective foot, the method ~~including, prior to step d), the~~ further comprising ~~step of:~~ using the alignment indicating device to align the rider's knees vertically with his feet.

18. (Currently amended) The method as claimed in claim 16 wherein each foot binding is mounted to the pivoting mount assembly for relative rotation about respective central axes substantially intersecting with and extending orthogonally to the first simulator axis, the method ~~including~~ comprising:

rotating each binding about its respective central axis to adjust the angle

between the midline of the foot and the first simulator axis, and

measuring the angle between the midline of the foot and the first simulator axis.

19. (Canceled)